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(71) Applicant (for all designated States except US):
TRANSPHARMA MEDICAL LTD. [IL/IL]; 2 Yodfat Street, Northern Industrial Zone, 71291 Lod (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEVIN, Galit** [IL/IL]; 15 Haegoz Street, 42954 Nordiya (IL). **SACKS, Hagit** [IL/IL]; 13 Sderot Yitzhak Rabin, 71700 Modi'in (IL).

(74) Agent: **WEBB, Cynthia**; Webb & Associates, P.O. Box 2189, 76121 Rehovot (IL).

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(54) Title: **TRANSDERMAL SYSTEM FOR SUSTAINED DELIVERY OF POLYPEPTIDES**

(57) Abstract: The present invention relates to a transdermal system for sustained delivery of high molecular weight hydrophilic drugs, especially peptide-, polypeptide- or protein-drugs and to methods of use thereof. The system comprises an apparatus that generates micro-channels in the skin of a subject in conjunction with a transdermal patch comprising at least one drug reservoir layer comprising a polymeric matrix and a therapeutic or immunogenic peptide, polypeptide or protein. The system provides sustained delivery of therapeutic or immunogenic agents, thereby achieving sustained therapeutic blood concentrations of these agents.



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